

Ehsan Samiei

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,105
citations

567281

15
h-index

752698

20
g-index

28
all docs

28
docs citations

28
times ranked

1711
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of digital microfluidics as portable platforms for lab-on a-chip applications. <i>Lab on A Chip</i> , 2016, 16, 2376-2396.	6.0	354
2	A review of sorting, separation and isolation of cells and microbeads for biomedical applications: microfluidic approaches. <i>Analyst, The</i> , 2019, 144, 87-113.	3.5	199
3	Simvastatin increases temozolomide-induced cell death by targeting the fusion of autophagosomes and lysosomes. <i>FEBS Journal</i> , 2020, 287, 1005-1034.	4.7	84
4	Self-filling microwell arrays (SFMA) for tumor spheroid formation. <i>Lab on A Chip</i> , 2018, 18, 3516-3528.	6.0	48
5	A novel numerical scheme for the investigation of surface tension effects on growth and collapse stages of cavitation bubbles. <i>European Journal of Mechanics, B/Fluids</i> , 2011, 30, 41-50.	2.5	45
6	Label-Free Capacitive Biosensor for Detection of <i>Cryptosporidium</i> . <i>Sensors</i> , 2019, 19, 258.	3.8	43
7	Autophagy modulates temozolomide-induced cell death in alveolar Rhabdomyosarcoma cells. <i>Cell Death Discovery</i> , 2018, 4, 52.	4.7	39
8	Systematic analysis of geometrical based unequal droplet splitting in digital microfluidics. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 055008.	2.6	37
9	Integration of biosensors into digital microfluidics: Impact of hydrophilic surface of biosensors on droplet manipulation. <i>Biosensors and Bioelectronics</i> , 2016, 81, 480-486.	10.1	36
10	Mechanisms of simvastatin myotoxicity: The role of autophagy flux inhibition. <i>European Journal of Pharmacology</i> , 2019, 862, 172616.	3.5	36
11	Investigating Programmed Cell Death and Tumor Invasion in a Three-Dimensional (3D) Microfluidic Model of Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3162.	4.1	34
12	An electrohydrodynamic technique for rapid mixing in stationary droplets on digital microfluidic platforms. <i>Lab on A Chip</i> , 2017, 17, 227-234.	6.0	29
13	Multifunctional Hybrid Magnetic Microgel Synthesis for Immune-Based Isolation and Post-Isolation Culture of Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24945-24958.	8.0	22
14	A dielectrophoretic-gravity driven particle focusing technique for digital microfluidic systems. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	21
15	An Engineered Infected Epidermis Model for In Vitro Study of the Skin's Pro-Inflammatory Response. <i>Micromachines</i> , 2020, 11, 227.	2.9	16
16	Comprehensive review of conventional and state-of-the-art detection methods of <i>Cryptosporidium</i> . <i>Journal of Hazardous Materials</i> , 2022, 421, 126714.	12.4	16
17	Multifunctional Thermoresponsive Microcarriers for High-Throughput Cell Culture and Enzyme-Free Cell Harvesting. <i>Small</i> , 2021, 17, e2103192.	10.0	15
18	Gravity-driven hydrodynamic particle separation in digital microfluidic systems. <i>RSC Advances</i> , 2015, 5, 35966-35975.	3.6	13

#	ARTICLE	IF	CITATIONS
19	A bioengineering method for modeling alveolar Rhabdomyosarcoma and assessing chemotherapy responses. <i>MethodsX</i> , 2021, 8, 101473.	1.6	12
20	Biosensing on Digital Microfluidics: From Sample Preparation to Detection. <i>Integrated Analytical Systems</i> , 2018, , 171-205.	0.4	4
21	Effect of Electrode Geometry on Droplet Splitting in Digital Microfluidic Platforms. , 2014, , .		1
22	Smart Thread Based pH Sensitive Antimicrobial Wound Dressing. , 2019, , .		1
23	Numerical Simulation of the Hemodynamics in 6 mm and 6â€“8 mm Hemodialysis Grafts and Investigation of Biomechanical Consequences. , 2010, , .		0
24	Numerical Simulation of Cavitation Bubble Collapse in the Vicinity of a Rigid Boundary. , 2010, , .		0
25	Numerical Study on Mass Transfer Effects on Spherical Cavitation Bubble Collapse in an Acoustic Field. , 2010, , .		0
26	Modifying Electrode Geometry for Unequal Droplet Splitting in Digital Microfluidics. , 2013, , .		0
27	A novel density-based dielectrophoretic particle focusing technique for digital microfluidics. , 2015, , .		0
28	Multifunctional Thermoresponsive Microcarriers for Highâ€“Throughput Cell Culture and Enzymeâ€“Free Cell Harvesting (<i>Small</i> 44/2021). <i>Small</i> , 2021, 17, 2170232.	10.0	0